Declassified in Part - Sanitized Copy Approved for Release @ 50-Yr2013/04/29 : CIA-RDP82-00047R000100050005-9 CLASSIFICATION STREET, CENTRAL INTELLIGENCE AGENCY INFORMATION REPORT COUNTRY USSR/Austria (Soviet Zone) DATE DISTR23Jul 1951 SUBJECT Soviet Aircraft NO. OF PAGES 4 NO. OF ENCLS. ACQUIRED DATE ACQUIRED SUPPLEMENT TO REPORT NO. DATE OF THIS IS UNEVALUATED INFORMATION 50X1 l. 50X1 50X1 This is a 15-20 minute check for the three man crew and it consists of removing the covers, checking oil, water, and fuel tanks, starting and warming up the engines and a visual check of all lines for leaks. The warm-up of the engine is done by the officer of the crew, but in his absence it may be done by the senior enlisted man. After the inspection, the Flight Engineering Officer signs the release for flight. (b) After Flight: Inspection plates and cowlings are removed and a complete visual check is performed on all accessories, attachments, etc. (c) 5 Hour Inspection: The oil pan is removed and the crankshaft, connecting rods and bearings are checked. This inspection takes three men about two hours to complete. (d) 10 Hour Inspection: Valve covers are removed and springs and clearances are checked. Control junctions and propeller controls are lubricated. Three men work 8-10 hours to complete this inspection. (e) 25 Hour Inspection: This inspection includes a complete lubrication, a check of the magnetos and points, cleaning, removal of fuel tank covers which are inspected for leakage. This inspection will take three men approximately $1\frac{1}{2}$ days to complete. SECRET SECTI STATE

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(f) 50 Hour Inspection:

The oil tanks are removed, cleaned, and inspected by the squadron commission (Oil tank nomenclature: AMTS. It is an alloy of aluminum, copper and zinc). Oil is changed every 15-18 hours between the 50 hour inspections. The 50 hour inspection includes the replacement of hydraulic fluid. Three men need two days to complete this inspection.

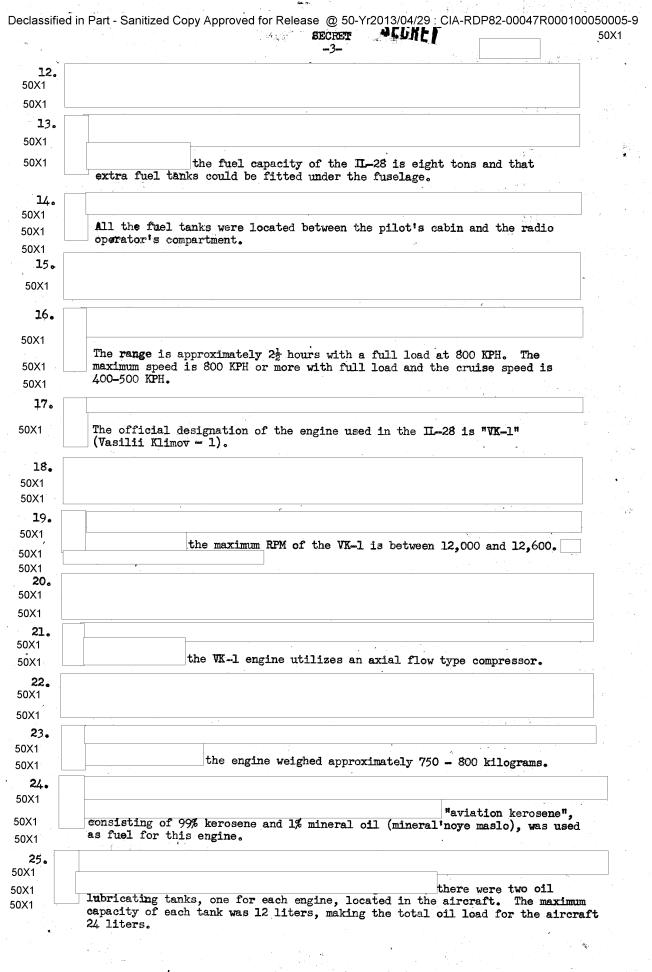
(g) 100 Hour Inspection:

This inspection includes an engine change. Engines are drawn from Battalion supply and are equipped with accessories. This inspection will take three men three to seven days to complete but an engine change itself can be done in one day by three men.

(h) 500 Hour Inspection: At the end of 500 hours, the aircraft is sent to Parm for major overhaul.

2. 50X1	•					
50X1		All maintenance is performed in the field. All major repair and maintenance work is performed at the Parm (Podvizhnaya Aviatsionnaya Remontnaya				
50X1		Masterskaya or Mobile Aviation Repair Work Shop).				
3	•					
0X1 0X1		The guaranteed running time of a new engine (VK-105 and ASF-82) is 250 hours.				
OX1 4						
0X1	•					
0X1		the average number of hours at which an engine must be				
0X1		pulled is 100.				
5	•					
0X1 0X1		the most predominant causes of engine failure (on the VK-105 mounted on the PE-2) are failures of connecting rods.				
6. 0X1	•.					
0X1 0X1		Spare engines were not furnished for each airplane, as far as I know, but the regiment kept a maximum of three or four engines on hand for use as needed.				
7.						
X1	•					
X1		Parm-11 does all major overhauls of the aircraft and engines of the 748th Air Bomber Regiment.				
8.						
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·9.	•					
1		The bomb-bay could house only one 1000 kilo bomb. The balance of the load was carried externally.				
10.						
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11.						

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